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(21) International Application Number: PCT/US98/02589 (22) International Filing Date: 12 February 1998 (12.02.98) (30) Priority Data: 08/800,928 13 February 1997 (13.02.97) US (71)(72) Applicant and Inventor: CHAN, Kwan-Ho [CA/US]; 4803 First Place, Lubbock, TX 79416 (US). (74) Agent: PANDISCIO, Mark, J.; Pandiscio & Pandiscio, 470 Totten Pond Road, Waltham, MA 02154 (US).		(81) Designated States: AU, CA, JP, European patent (AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE). Published <i>With international search report.</i>

(54) Title: BONE CEMENT PLUG FOR DEPLOYMENT IN A BONE CANAL**(57) Abstract**

This invention is a bone cement plug (100) and a method for its use in conjunction with bone cement dispensers to compact bone cement into bone canals during total joint replacement surgeries. The bone cement plug includes a core (105) including a substantially cylindrically shaped base portion (115) defining a threaded bore (120) therein extending axially and distally from a proximal end of the base portion; a first leg portion (130) depending from and extending distally from the base portion; and a second leg portion (135) depending from and extending distally from the base portion and opposed to the first leg portion; the base portion threaded bore being adapted to receive an expander screw (110) to wedge apart the first and second leg portions, whereby to expand the core widthwise to secure the plug in the bone canal; and the expander screw (110), the screw comprising a generally cylindrically shaped body (140) having a tapered distal end (145), and a proximal end (155) in which is disposed a threaded bore (155), external threads (160) disposed on the body, and an annular flange (165) extending outwardly from the proximal end of the body, the screw being threaded engaged with the core threaded bore for advancement of the screw into the plug for wedging apart the first and second legs.

